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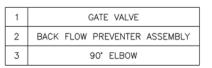
- 1. REFER TO STANDARD DRAWINGS FOR METER, PRESSURE REGULATION AND BACKFLOW PREVENTION DEVICE INSTALLATION DETAILS.
- 2. SERVICE LINE FROM CURB STOP TO THE STRUCTURE BEING SERVED IS THE RESPONSIBILITY OF THE CUSTOMER/OWNER FOR OPERATION AND MAINTENANCE. ONLY THE DISTRICT IS AUTHORIZED TO OPEN AND CLOSE THE CORPORATION AND CURB STOP ONCE IN SERVICE.

STRASBURG SANITATION			
AND	WATER	DISTRICT	

TYP. INSTALLATION FOR SERVICE							
	LINE	AND	STOP	<u>, BO)</u>	(
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INSTALLATION OF 3" TO 10" BACKFLOW PREVENTERS

BACKFLOW PREVENTER ASSEMBLY WILL BE INSTALLED ABOVE GROUND. (FIG. A) THE UNIT SHOULD BE PLACED AT LEAST TWELVE INCHES (24") ABOVE THE FINISH GRADE TO ALLOW CLEARANCE FOR REPAIR WORK. A CONCRETE SLAB AT FINISH GRADE IS RECOMMENDED. PROPER DRAINAGE SHOULD BE PROVIDED. IF A RELIEF VALVE IS REQUIRED, IT MAY BE PIPED AWAY FROM THE LOCATION, PROVIDED IT IS READILY VISIBLE FROM ABOVE GRADE AND THE RELIEF VALVE IS SEPERATED FROM THE DRAIN LINE BY A MINIMUM OF DOUBLE THE DIAMETER OF THE SUPPLY LINE. A MODIFIED VAULT INSTALLATION MAY BE USED IF CONSTRUCTED WITH AMPL SIDE CLEARANCES. (FIG. B)



NOTES: 1. ENCLOSURE DESIGN SHALL BE SUBMITTED TO SSWD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. 2. ENCLOSURE SHALL BE HEATED. 3. DRAIN SHALL ENSURE THAT AIR GAP IS

MAINTAINED AT ALL TIMES. SEE SECTION 5.01 OF THE SSWD PUBLIC UTILITY DESIGN AND CONSTRUCTION SPECIFICATIONS FOR

ALL PIPING SHALL BE FLANGED DIP

BACKFLOW PREVENTION DEVICE

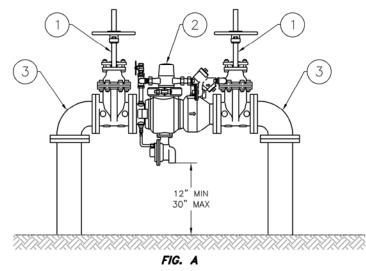
OR GALVANIZED STEEL.

STANDARDS

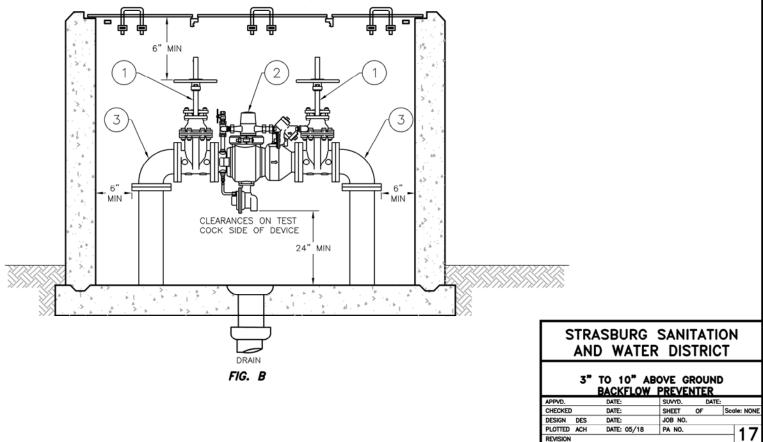
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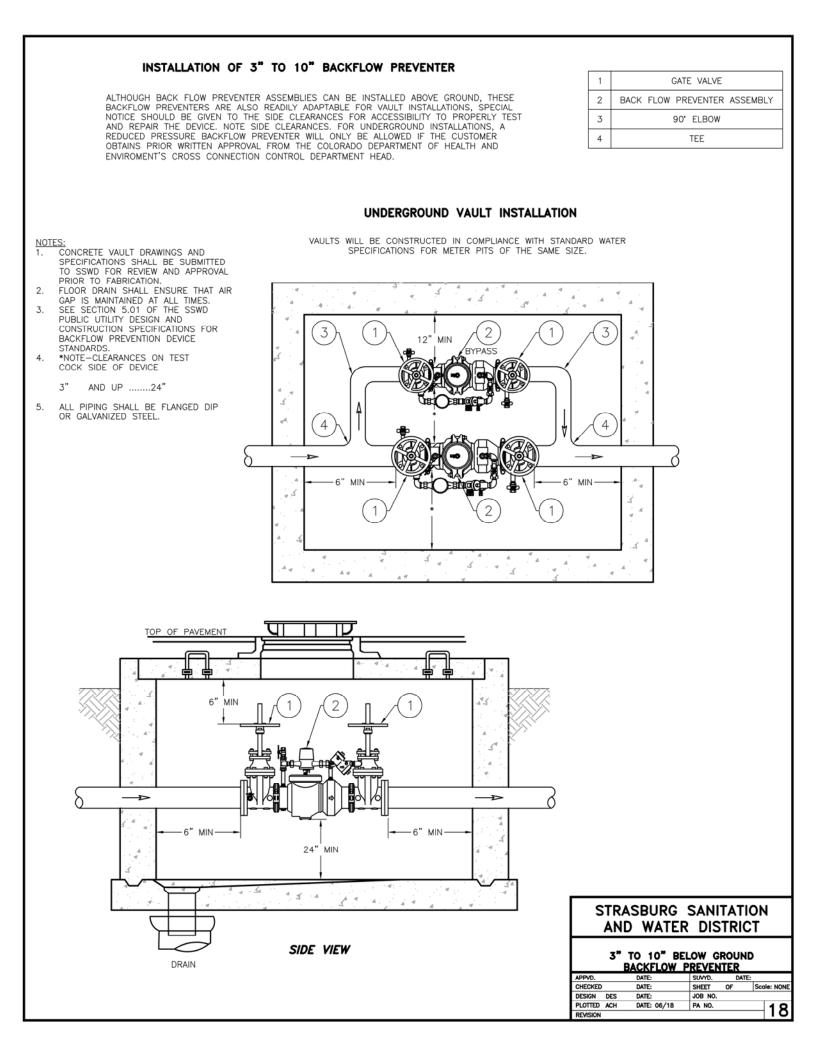
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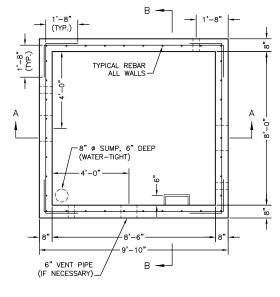
ABOVE GROUND INSTALLATION



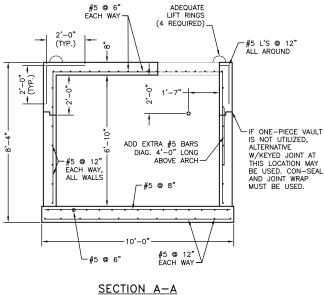
ABOVE GROUND INSTALLATION W/ ENCLOSURE











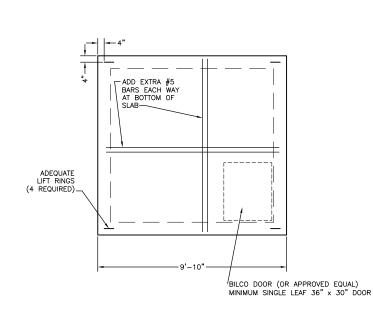


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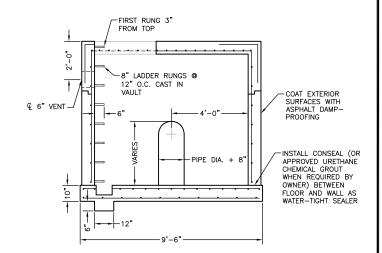
- ALL CONCRETE WORK SHALL COMPLY WITH DISTRICT STANDARD SPECIFICATIONS AND LATEST A.C.I.-318 CODE.
 MINIMUM CONCRETE CLEARANCES FOR REBAR:

 3" WHERE FOURED AGAINST EARTH
 2" WHERE FORMED AND THEN EXPOSED TO GROUND OR WEATHER FOR #6 OR LARGER. 1.5" FOR #5 AND SMALLER.
 1" WHERE FOR #6 OR LARGER. 1.5" FOR #5 AND SMALLER.

 ALL VAULTS SHALL BE CONSTRUCTED TO MEET HS20-44 TRAFFIC LOADING CONDITIONS AND 300 PSF SURCHARGE LOAD.

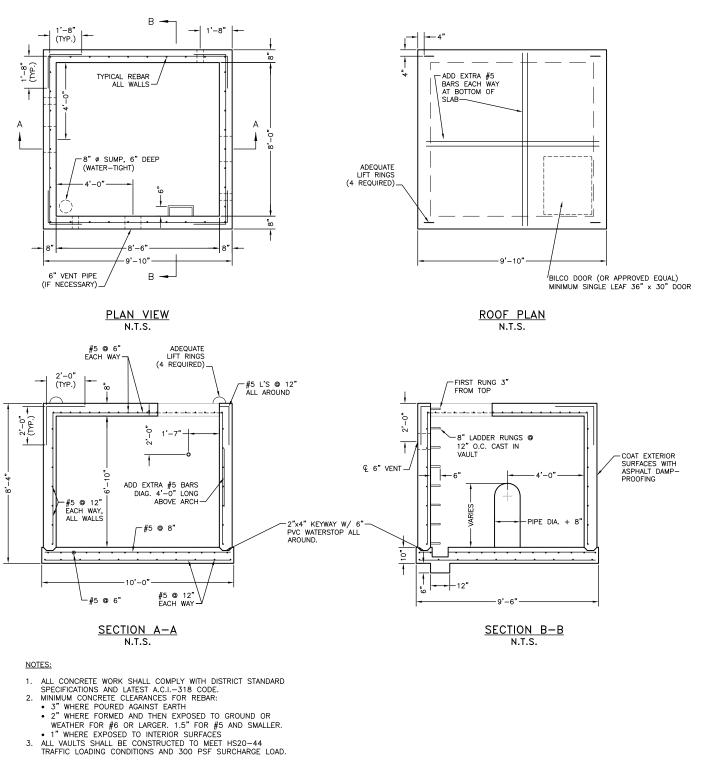


ROOF PLAN N.T.S.



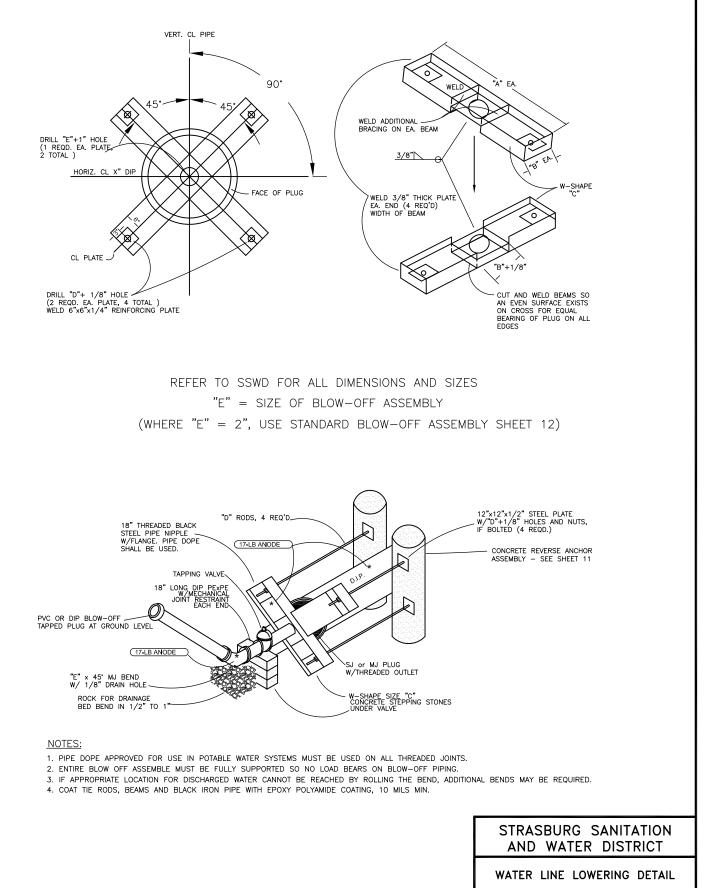
SECTION B-B N.T.S.

STRASBURG SANITATION				
AND WATER DISTRICT				
STANDARD CONCRETE VAULT FOR VALVE INSTALLATION (PRECAST)				
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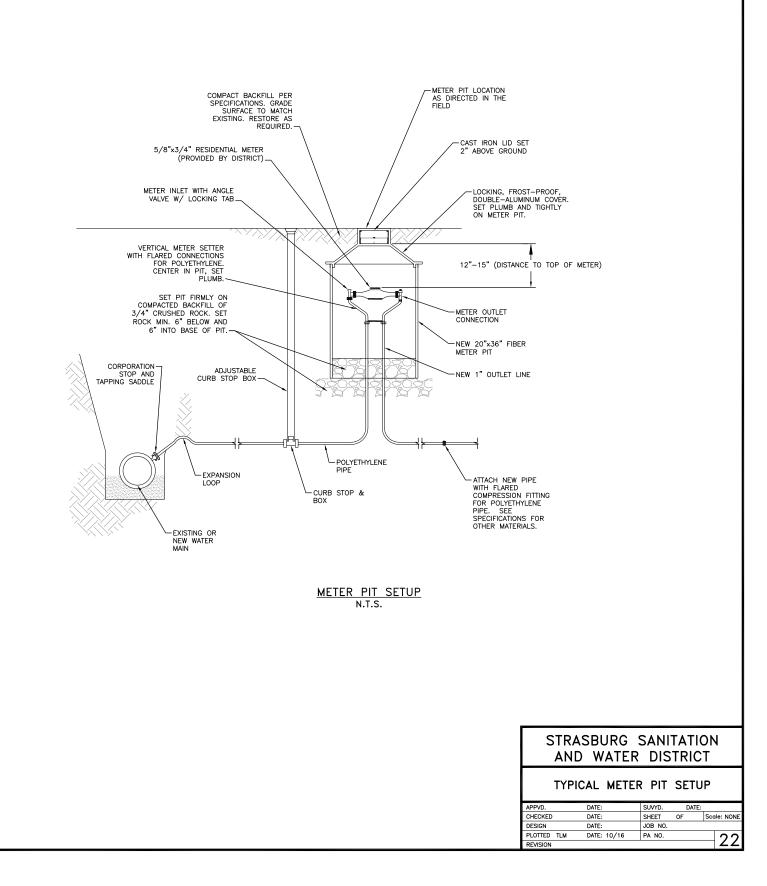


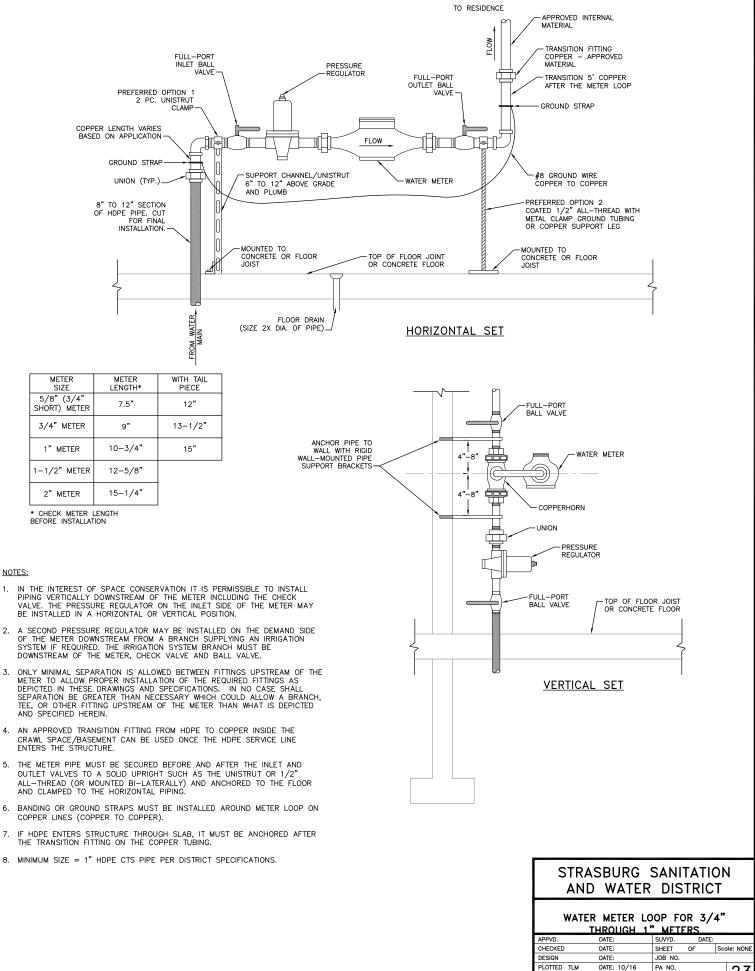
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AND	WATER	DISTRICT

STANDARD CONCRETE VAULT FOR					
VALVE	INSTALLATION	(CAST-	IN-PL	ACE)	
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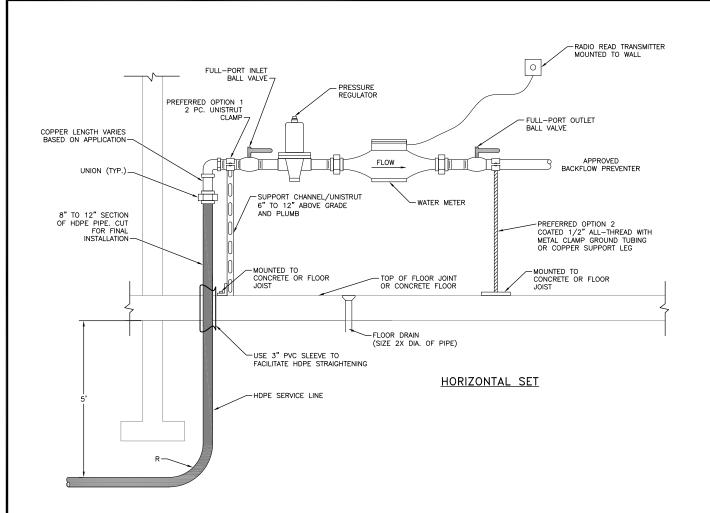


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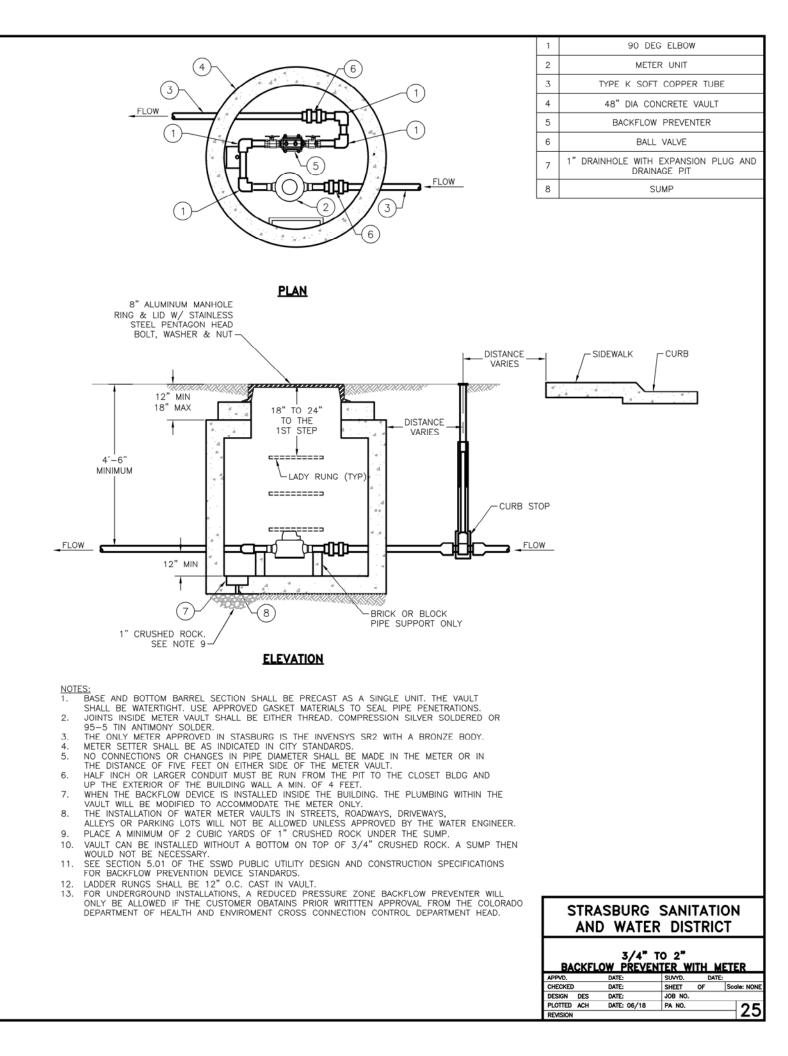
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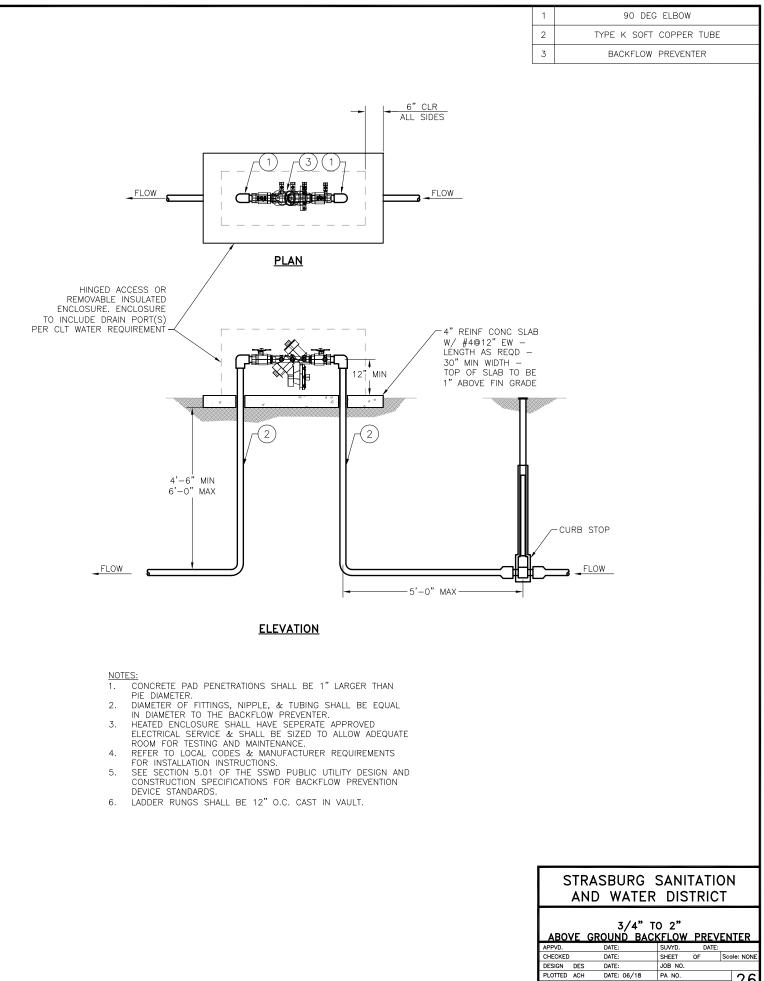
- 1. IN THE INTEREST OF SPACE CONSERVATION IT IS PERMISSIBLE TO INSTALL PIPING VERTICALLY DOWNSTREAM OF THE METER INCLUDING THE CHECK VALVE. THE PRESSURE REGULATOR ON THE INLET SIDE OF THE METER MAY BE INSTALLED IN A HORIZONTAL OR VERTICAL POSITION.
- 2. A SECOND PRESSURE REGULATOR MAY BE INSTALLED ON THE DEMAND SIDE OF THE METER DOWNSTREAM FROM A BRANCH SUPPLYING AN IRRIGATION SYSTEM IF REQUIRED. THE IRRIGATION SYSTEM BRANCH MUST BE DOWNSTREAM OF THE METER, CHECK VALVE AND BALL VALVE.
- 3. ONLY MINIMAL SEPARATION IS ALLOWED BETWEEN FITTINGS UPSTREAM OF THE METER TO ALLOW PROPER INSTALLATION OF THE REQUIRED FITTINGS AS DEPICTED IN THESE DRAWINGS AND SPECIFICATIONS. IN NO CASE SHALL SEPARATION BE GREATER THAN NECESSARY WHICH COULD ALLOW A BRANCH, TEE, OR OTHER FITTING UPSTREAM OF THE METER THAN WHAT IS DEPICTED AND SPECIFIED HEREIN.
- 4. AN APPROVED TRANSITION FITTING FROM HDPE TO COPPER INSIDE THE STRUCTURE CAN BE USED ONCE THE HDPE SERVICE LINE ENTERS THE STRUCTURE.
- 5. THE METER PIPE MUST BE SECURED BEFORE AND AFTER THE INLET AND OUTLET VALVES TO A SOLID UPRIGHT SUCH AS THE UNISTRUT OR 1/2" ALL-THREAD (OR MOUNTED BI-LATERALLY) AND ANCHORED TO THE FLOOR AND CLAMPED TO THE HORIZONTAL PIPING.
- BANDING OR GROUND STRAPS MUST BE INSTALLED AROUND METER LOOP ON COPPER LINES (COPPER TO COPPER).
- THE LOCATION OF THE HDPE PENETRATION SHALL BE A MINIMUM OF 12" FROM ANY WALL OR FOUNDATION. A 30" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF METER FOR ACCESS AND MAINTENANCE.
- 8. THE HDPE SERVICE LINE SHALL BE CONTINUOUS FROM THE CURB STOP THROUGH THE FLOOR WITH NO JOINTS.
- 9. THE DIAGRAM SHOWS A THREADED METER CONNECTION. A 2-BOLT ECCENTRIC FLANGE METER CAN ALSO BE ORDERED. A THREADED UNION MUST BE INSTALLED AT LEAST ON ONE SIDE OF THE METER AT EITHER THE DOWNSTREAM BALL VALVE OR UPSTREAM REGULATOR IF A FLANGE METER IS USED.

METER SIZE	METER LENGTH*	MIN. R
1-1/2" METER	12-5/8"	30"
2" METER	15-1/4"	48"

* CHECK METER LENGTH BEFORE INSTALLATION

STRASBURG SANITATION AND WATER DISTRICT				
1 1/2" AND 2" INDOOR METER INSTALLATION				
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